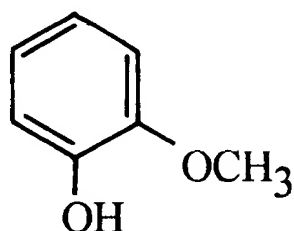


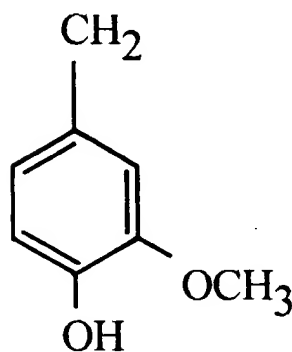
PHENOL C_6H_5OH

FIGURE 1



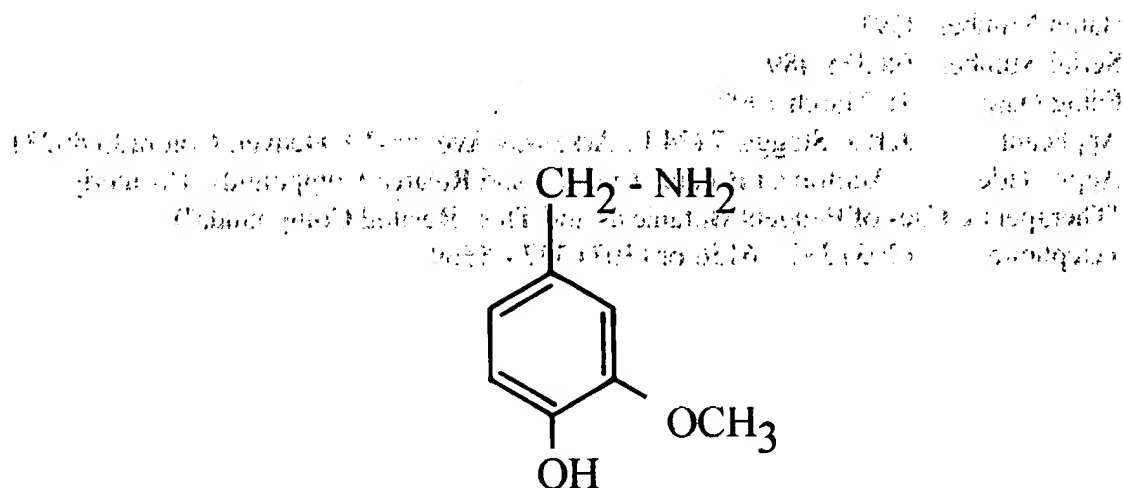
ORTHO - METHOXYPHENOL $CH_3OC_6H_4OH$

FIGURE 2



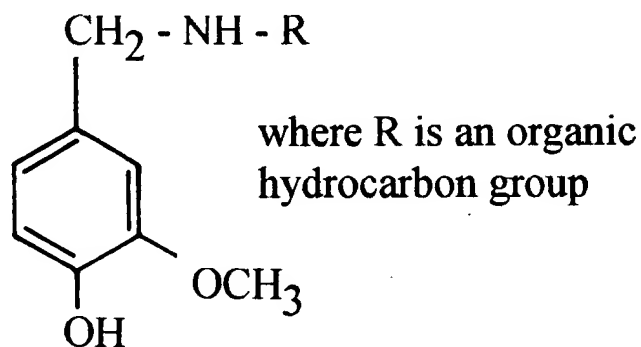
VANILLYL $(CH_3O)(OH)C_6H_3-CH_2$

FIGURE 3



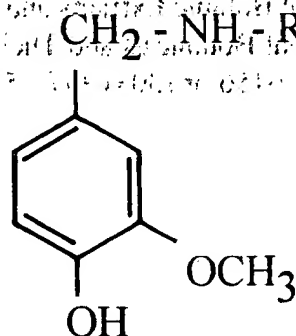
3-METHOXY-4-HYDROXYBENZYLAMINE
 $(\text{CH}_3\text{O})(\text{OH})\text{C}_6\text{H}_3\text{-CH}_2\text{-NH}_2$

FIGURE 4



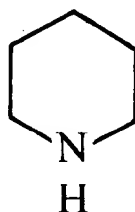
VANILLYLAMIDE $(\text{CH}_3\text{O})(\text{OH})\text{C}_6\text{H}_3\text{-NH-R}$

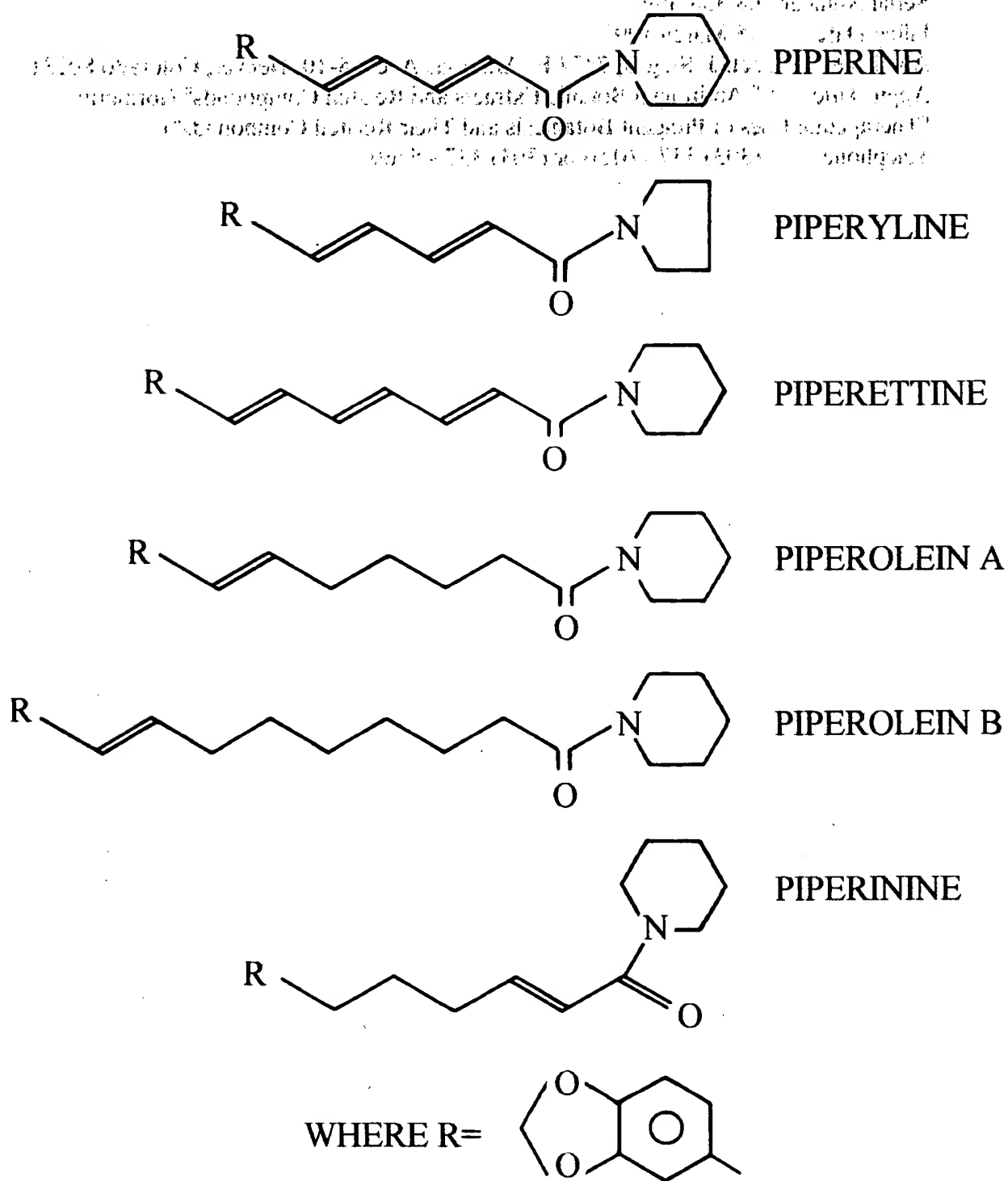
FIGURE 5



R - CO - (CH ₂) ₄ - CH = CH - CH - (CH ₃) ₂	CAPSAICIN
R - CO - (CH ₂) ₆ - CH - (CH ₃) ₂	DIHYDRO "
R - CO - (CH ₂) ₅ - CH - (CH ₃)	NORDIHYDRO "
R - CO - (CH ₂) ₉ - CH - (CH ₃) ₂	HOMODIHYDRO "
R - CO - (CH ₂) ₅ - CH = CH - CH (CH ₃) ₂	HOMO "
R - CO - (CH ₂) ₇ - CH ₃	NONANOIC ACID VANILLYLAMIDE
R - CO - (CH ₂) ₈ - CH ₃	DECANOIC ACID VANILLYLAMIDE

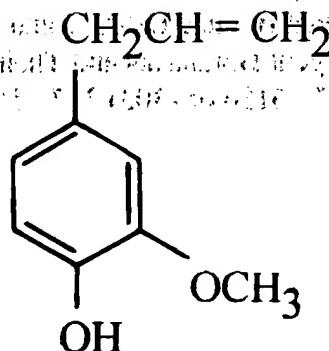
CAPSAICINOIDS

FIGURE 6PIPERIDINE (CH₂)₅NH**FIGURE 7**



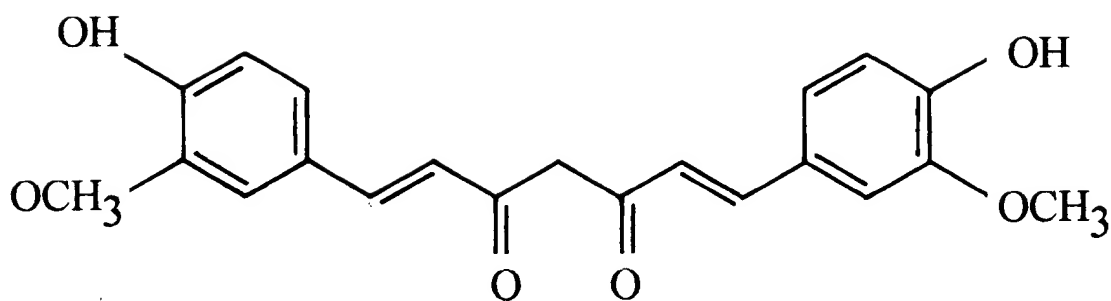
PUNGENT ALKALOIDS PRINCIPALS OF PEPPER

FIGURE 8



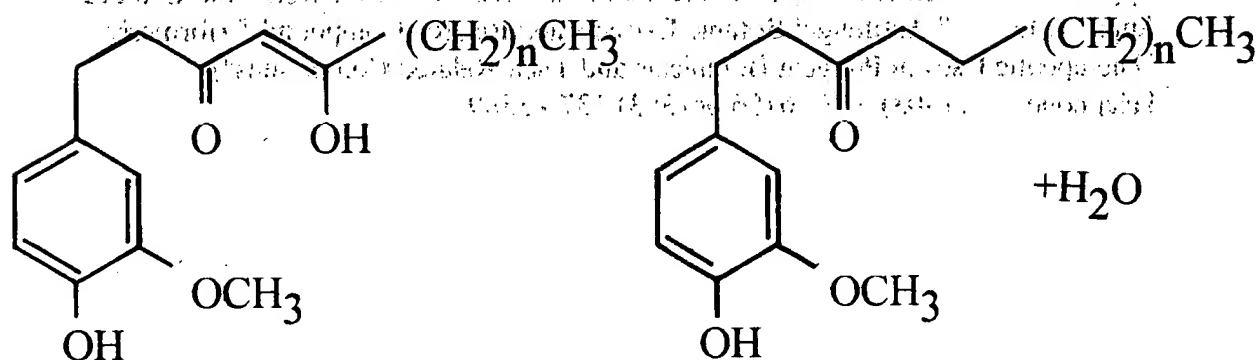
EUGENOL $C_{10}H_{12}O_2$

FIGURE 9

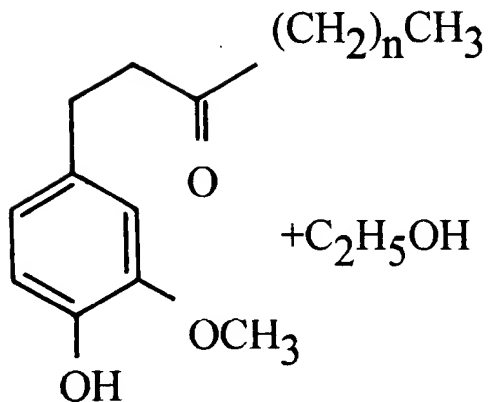


CURCUMIN $C_{21}H_{20}O_6$

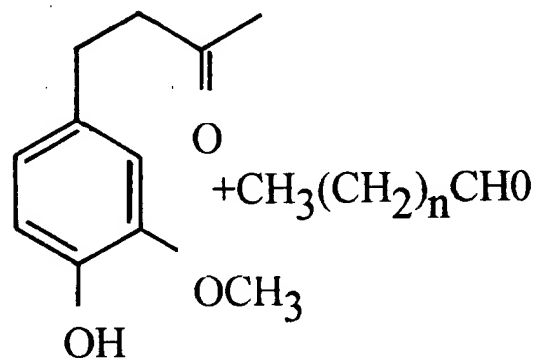
FIGURE 10



GINGEROL

SHOGAOL $\text{C}_{17}\text{H}_{24}\text{O}_3$ (where $n = 4, 6, \text{ or } 8$)

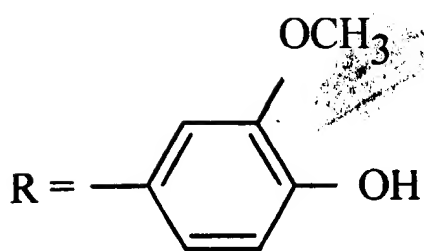
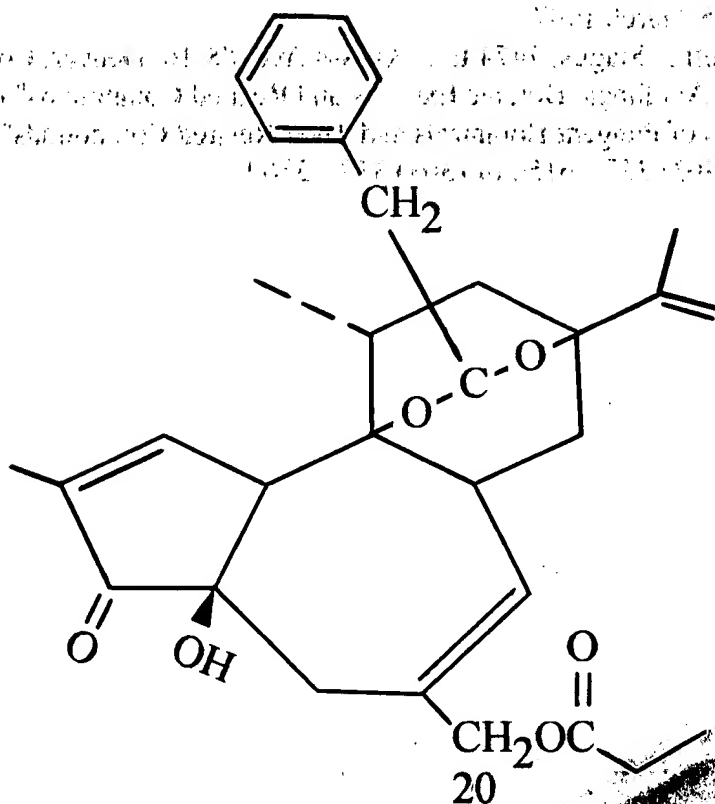
PARADOL

ZINGERONE $\text{C}_{11}\text{H}_{14}\text{O}_3$

GINGEROLS

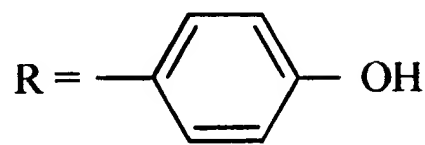
FIGURE 11

Chemical structure of Resiniferatoxin (Figure 12) and Tinyatoxin (Figure 13) are shown. The structures are complex polycyclic compounds with various functional groups, including a phenyl ring, a hydroxyl group, a carbonyl group, and an ester group. The structures are labeled with 'R' and 'CH₂' groups.



RESINIFERATOXIN

FIGURE 12



TINYATOXIN

FIGURE 13